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A method of synchronizing data among a plurality of web servers, wherein each of the plurality of web servers is coupled to a common data server, the method comprising:

retrieving a scheduled activation time from the data server;

prior to the scheduled activation time, retrieving updated data into staging caches in the plurality of web servers; and

at the scheduled activation time, copying data from the staging cache of each web server to an active cache of the web server.

A method as recited in claim 1 further comprising: 2.

comparing a time associated with a clock in each web server to a time associated with a clock in the data server; and

adjusting the scheduled activation time on each web server by the time difference between the clock in the web server and the clock in the data server.

- 3. A method as recited in claim 1 wherein each web server contains a clock, and wherein the clocks in the plurality of web servers are not synchronized with one another.
- A method as recited in claim 1 wherein the copying data comprises swapping an active data cache pointer with a staged data cache pointer.

5.	Α	method	as	recited	j'n	claim	1	wherein	no	communications	are
required between the individual web servers to synchronize their data.											

- 6. A method as recited in claim 1 wherein retrieving updated data into staging caches in the plurality of web servers is performed asynchronously.
 - 7. A method as recited in claim 1 further comprising:
 after the scheduled activation time, updating data caches in the data server.
 - 8. A method as recited in claim 1 further comprising:
 after the scheduled activation time, calculating a next scheduled activation time.
- 9. A method as recited in claim 1 further comprising:
 after the scheduled activation time, updating data caches in the data server
 and calculating a next scheduled activation time, wherein the updating and
 calculating are performed by the first web server to initiate a retrieval process after
 the scheduled activation time.

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10. A method as recited in claim 1 further comprising:

if an additional web server is coupled to the data server, then copying data from an active cache in the data server to an active cache in the additional web server.

11. A method as recited in claim 1 further comprising:

if one of the plurality of web servers is initialized, then copying data from an active cache in the data server to the active cache in the initialized web server.

- 12. A method as redited in claim 1 wherein the plurality of web servers comprise a web farm.
- 13. A method as recited in claim 1 wherein the plurality of web servers comprise a web farm, and wherein the plurality of web servers are load balanced using a domain name service (DNS) round-robin technique.
- 14. One or more computer-readable memories containing a computer program that is executable by a processor to perform the method recited in claim 1.
 - 15. A system comprising:

a plurality of web servers coupled to a common data server, wherein each of the plurality of web servers comprises:

a staging cache;

an active data cache coupled to the staging cache;

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wherein the web server is configured to retrieve a scheduled activation time from the data server, and further configured to retrieve updated data from the data server into the staging cache prior to the scheduled activation time; and

wherein the web server is configured to copy data from the staging cache to the active data cache at the scheduled activation time.

- 16. A system as recited in claim 15 wherein each web server contains a clock having an associated time, and wherein each web server is configured to compare the time associated with the clock in the web server to a time associated with a clock in the data server.
- 17. A system as recited in claim 16 wherein each web server is further configured to adjust the scheduled activation time on the web server by the time difference between the clock in the web server and the clock in the data server.
- 18. A system as recited in claim 15 wherein each web server contains a clock, and wherein the clocks in the plurality of web servers are not synchronized with one another.
- 19. A system as recited in claim 15 wherein the web server is further configured to swap an active data cache pointer with a staged data cache pointer.

20. A system as recited in claim 15 wherein each of the plurality of web
servers is configured to update data caches in the data server after the scheduled
activation time.
21. A system as recited in claim 15 wherein each of the plurality of web
servers is configured to calculate a next scheduled activation time after the
scheduled activation time.
22. A system as recited in claim 15 wherein the plurality of web servers
comprise a web farm.
23. One or more computer-readable media having stored thereon a
computer program comprising the following steps:
retrieving a scheduled activation time from a data server;
prior to the schedule activation time, retrieving updated data into a staging
cache in a server;
at the scheduled activation time, copying data from the staging cache in the
server to an active cache in the server; and
after the scheduled activation time, updating data caches in the data server
and calculating a next scheduled activation time.

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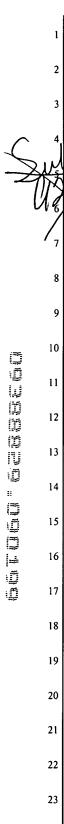
24. One or more computer-readable media as recited in claim 23 further comprising:

comparing a time associated with a clock in each server to a time associated with a clock in the data server; and

adjusting the scheduled activation time on each server by the time difference between the clock in the server and the clock in the data server.

- 25. One or more computer-readable media as recited in claim 23 wherein each server contains a clock, and wherein the clocks in the plurality of servers are not synchronized with one another.
- 26. One or more computer-readable media as recited in claim 23 wherein updating data caches in the data server and calculating the next scheduled activation time are performed if another process has not yet updated the data caches or calculated the next scheduled activation time during a current data synchronization cycle.
- 27. One or more computer-readable media as recited in claim 23 further comprising:

if the server is initialized, then copying data from an active cache in the data server to the active cache in the initialized server.



28. One or more computer-readable media as recited in claim 23 wherein the copying data comprises swapping an active data cache pointer with a staged data cache pointer.

29. A method of synchronizing data among a plurality of web servers, wherein each of the plurality of web servers is coupled to a common data server, the method comprising:

providing a scheduled activation time from the data server to each of the plurality of web servers;

communicating updated data into a staging cache in each of the plurality of web servers prior to the scheduled activation time; and

copying data from the staging cache of each web server to an active cache of the web server at the scheduled activation time.

- 30. A method as recited in claim 29 wherein the communicating updated data into a staging cache is performed asynchronously.
- 31. A method as recited in claim 29 wherein the copying data comprises swapping an active data cache pointer with a staged data cache pointer.
- 32. A method as recited in claim 29 wherein no communication is required between the web servers to synchronize their data.

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33. One or more computer-readable memories containing a computer program that is executable by a processor to perform the method recited in claim 29.

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